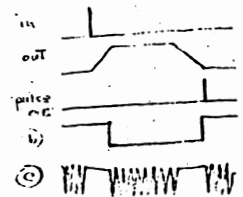
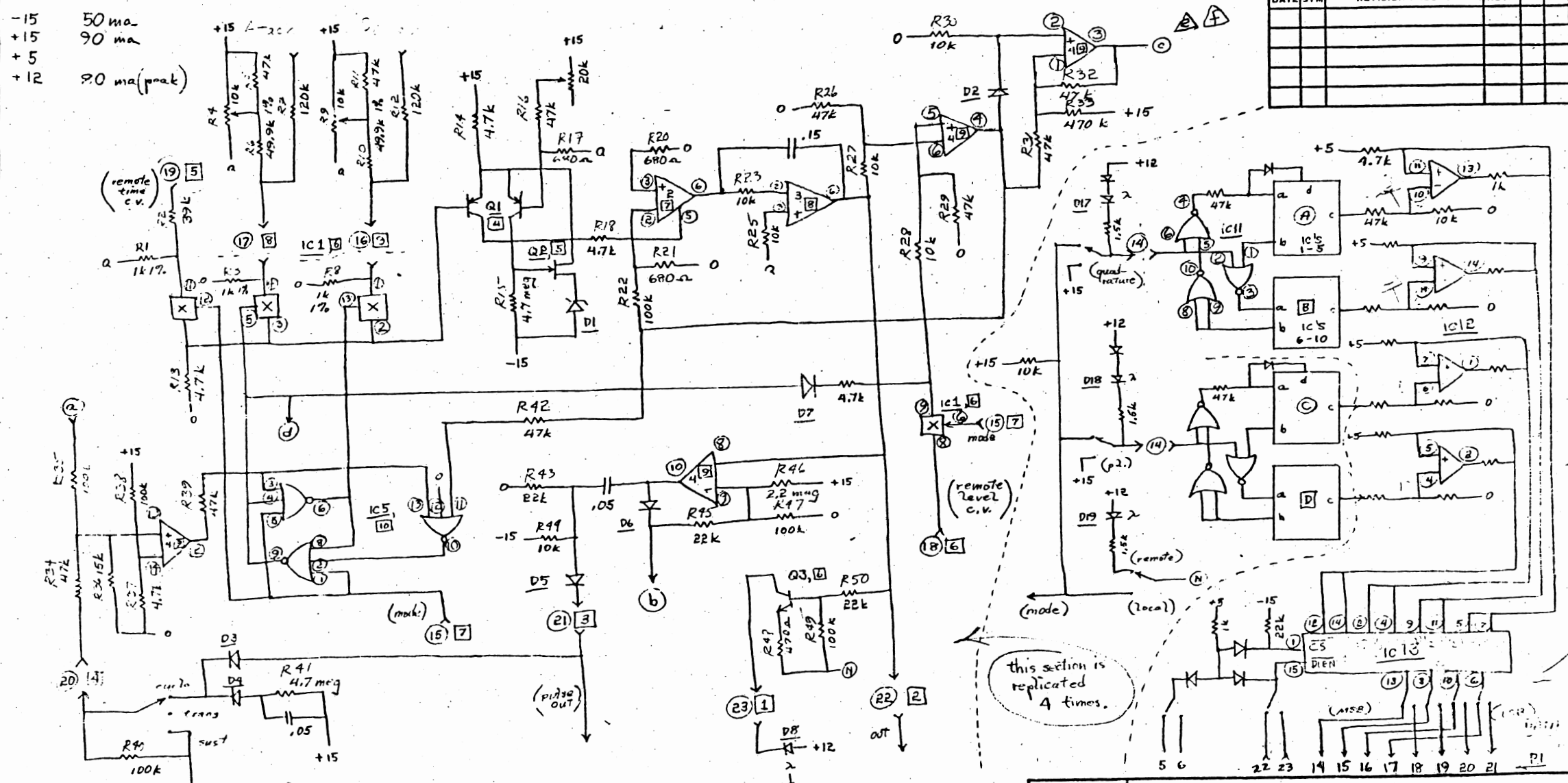
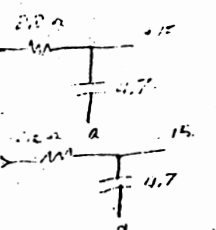


-15 50 ma
 +15 90 ma
 +5
 +12 20 ma (peak)



- | | | | |
|---------|---------|-------------|--------|
| IC1, 6 | 4016 | IC13 | 8216 |
| IC2, 7 | CA 3080 | Q1, 4 | AD 821 |
| IC3, 8 | LF 356 | Q2, 5 | 2N4341 |
| IC4, 9 | RC 4136 | Q3, 6 | 2N1711 |
| IC5, 10 | 4025 | D1, 9 | IN5240 |
| IC11 | 4001 | D2-7, 10-15 | IN457 |
| IC12 | AL 3302 | D8, 16, 19 | 1N4148 |



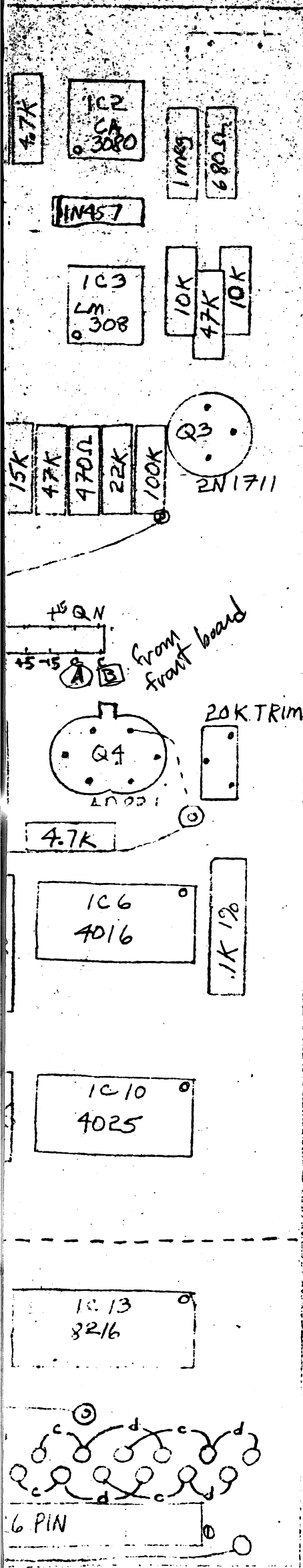
P1 To μP
 P2 To All brand
 P3 To c.v. bus

numbers in \square 's refer to sections B, D.

TOLERANCES (EXCEPT AS NOTED)		BUCHLA & ASSOCIATES	
DECIMAL	300 series	SCALE	DRAWN BY D
FRACTIONAL			APPROVED BY
ANGULAR		TITLE: QUAD FUNCTION GENERATOR MODEL 380	
DATE: 2/16		DRAWING NUMBER: B 2810	

trap for 0-3 or 4-1

DATE	BY	REVISION RECORD	AUTH	CHK
5/76		Revised - remove trim pots change R values		
		ROSENBOOM COPY		



○ bottom
□ Top

e — e
A — A
Jumpers must connect these on 2nd (front)

For μP applications, rear board requires jumpers as follows:

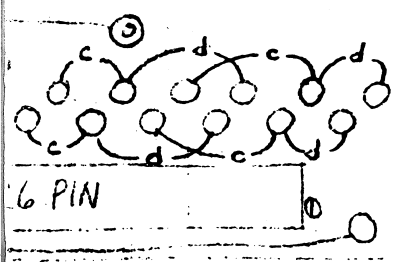
	address	jumper	data bits	jumper (4)
select 1	0C	a	0-3	c
	0D	b	4-7	d

} select 1

getting matrix
281's #1 a, c
#2 a, d
Additional 281's
#3 b, c
#4 b, d

jumper e, f are installed on front board only

components below dotted line are installed on rear board only and only if for use in μP system.



← mount on back of board

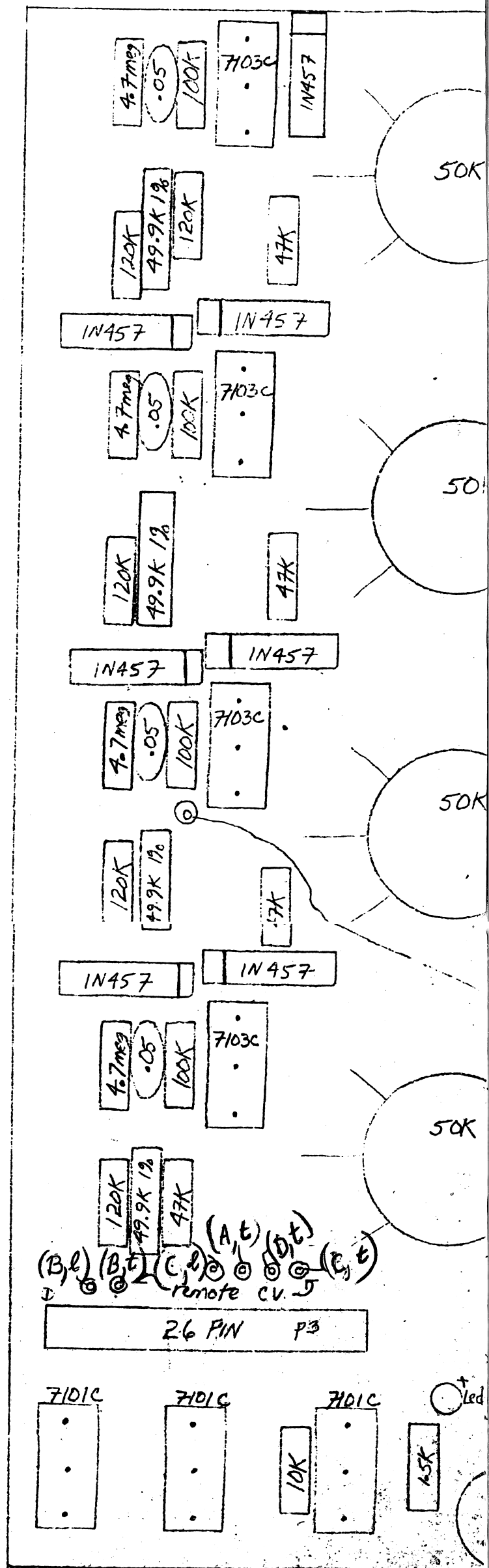
TOLERANCES (EXCEPT AS NOTED)				BUCHLA & ASSOCIATES	
DECIMAL	300 SERIES		SCALE	DRAWN BY	RW
±			2%	APPROVED BY	
FRACTIONAL	TITLE				
±	PARTE LAYOUT				
ANGULAR	DATE	DRAWING NUMBER			
±	3/76	C2811			

(A,t)	-	6	-	10
(A,l)	-	19	-	23
(B,t)	-	7	-	11
(B,l)	-	20	-	24
(C,t)	-	8	-	12
(C,l)	-	21	-	25
(D,t)	-	9	-	13
(D,l)	-	22	-	26

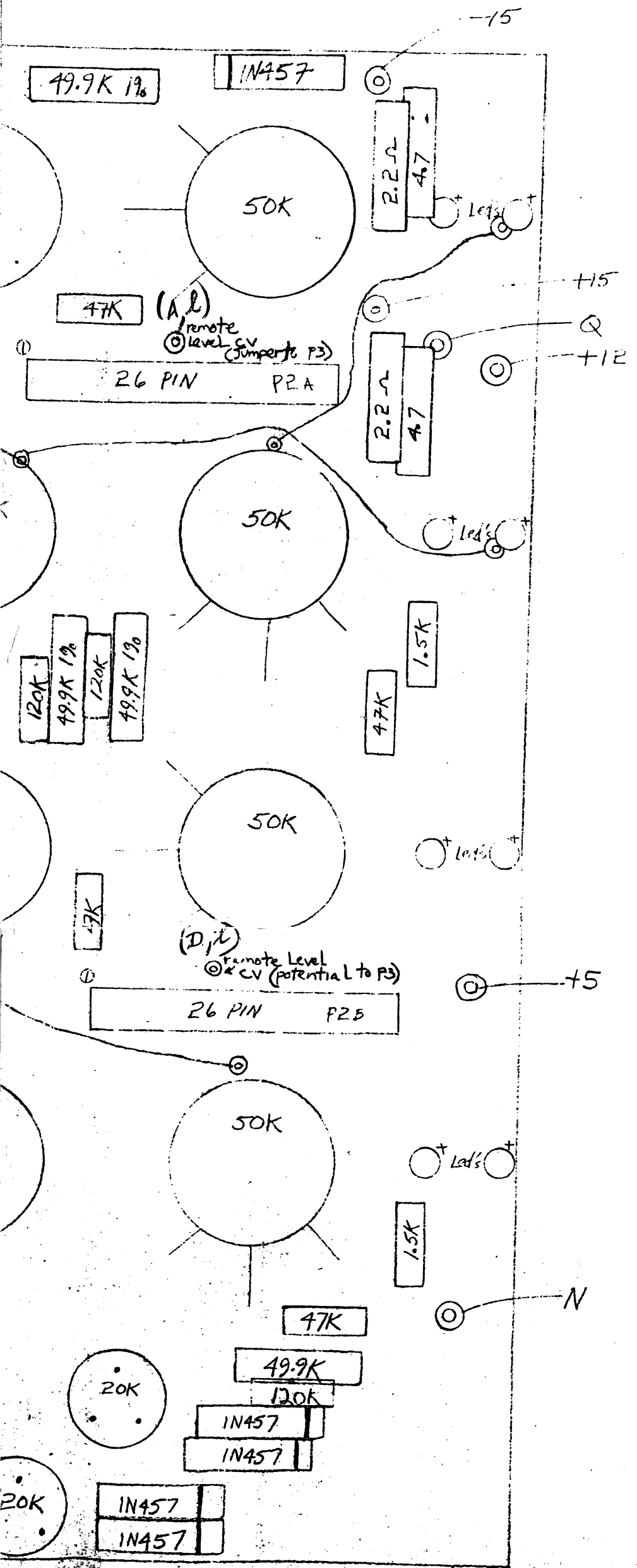
↑
remote CV's

↑
P3
FG#1

↑
P3
FG#2



DATE	SYM	REVISION RECORD	AUTH.	DR.	CK.



TOLERANCES (EXCEPT AS NOTED)		Buchla Assoc.	
DECIMAL	±	300 Series	SCALE —
FRACTIONAL	±	DRAWN BY RW	
ANGULAR	±	APPROVED BY	
DATE		TITLE Quad function Generator Mother Board Parts Layout	
DRAWING NUMBER		C2811	